

Abstract of the Disclosure

5       An apparatus, in particular for simulating  
electrical sensor/actuator components, having a drive  
module (4), which provides a model (5, 6, 7) of the S/A  
component to be simulated and generates interface  
signals ( $U_{1n}$ ,  $U_n$ ) in accordance with the signals of the  
real S/A component to be simulated, and having a signal  
10   interface (12, 26) for each connection pin (28, 29) of  
the apparatus (1), which is driven by the real-time  
signals (8, 9, 10, 11) of the drive module (4) and  
generates, for each interface connection pin (28, 29),  
an interface signal ( $U_{1n}$ ,  $U_n$ ) corresponding to the  
15   electrical signals of the real S/A component, in which  
case the current direction or the energy flow of the  
interface signals ( $U_{1n}$ ,  $U_n$ ) can be directed, in a manner  
influenced by a control/regulation circuit of the  
signal interface (12, 26), towards the signal interface  
20   (12, 26) or away from the latter, with the result that  
the apparatus can optionally simulate a sensor or an  
actuator.

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